

Introduction to Scala

Practical Exercises

Basic Functional Programming in Scala

1. Write a function that takes, as its only argument, a String that describes an operation to be carried out on a pair of Int values. Example operations could be “Add”, “Subtract” or “Power”. Your function should return a function that can carry out this operation on two Ints, returning an Int result.

For example, if you call the function as shown here

```
val subF = makeFunc("subtract")
```

you should subsequently be able to call the function as

```
val result = subF(5, 3)
```

to yield the result 2. Alternatively you should be able to combine the two stages like this

```
val result = makeFunc("add") (3,4)
```

to yield the result 7.